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FIBER ORGANON

Formerly Textile Organon

Volume 60, No.10 ☐ October 1989

A pupllcation of *Fiber Economics Bureau*, Inc.

Highlights

- Mill Consumption in Selected Countries ... see page 223.
- U.S. Manufactured Fiber Textile Trade Balance: An Overview ... begins on page 224.
- Selected U.S. Exports by Country of Destination ... see pages 236 - 237.
- Quarterly Manufactured Fiber Data ... see pages 238 - 239.

SHIPMENTS:

In September, total manufactured fiber shipments reached 735 million pounds, 4% below the 766 million pounds shipped in August and 5% below the 772 million pounds shipped in September 1988.

September shipments of synthetic (noncellulosic) filament yarn fell 1% to 347 million pounds and staple+tow fell 7% to 345 million pounds.

Contributing to the decrease in shipments over the previous month were polyester industrial yarn down 10% or 3 million pounds, polyester staple+tow down 8% or 16 million pounds and acrylic staple+tow down 4 million pounds or 7%.

Year-to-date domestic shipments of manufactured fiber are up 2% and exports are down 15%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1989 SEP	1989 AUG	% CHG 9/89 - 8/89	1988 SEP	% CH 9/89 - 9/88	YEAR TO DATE 1989	YEAR TO DATE 1988	% CHG YTD 1989-1988
ARTIFICIAL (CELLULOSIC)								
YARN	17.3	17.8	-2.8	18.1	-4.4	165.0	161.1	+2.4
RAYON STAPLE	26.7	29.4	-9.2	34.3	-22.2	281.1	314.6	-10.6
TOTAL ARTIFICIAL (CELL.)	**44.0**	**47.2**	**-6.8**	**52.4**	**-16.0**	**446.1**	**475.7**	**-6.2**
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	28.6	29.2	-2.1	29.2	-2.1	275.2	280.2	-1.8
- CARPET	88.7	89.9	-1.3	87.1	+1.8	728.2	730.2	-0.3
- TEXTILE [a]	32.6	32.3	+0.9	32.0	+1.9	301.4	283.1	+6.5
POLYESTER - INDUSTRIAL	26.6	31.9	-10.3	30.6	-6.5	275.8	268.4	+2.8
- TEXTILE [a]	58.6	54.9	+6.7	69.1	-15.2	627.1	620.3	+1.1
OLEFIN	109.4	109.9	-0.5	105.1	+4.1	952.0	903.1	+5.4
TOTAL YARN	**346.5**	**348.1**	**-0.5**	**353.1**	**-1.9**	**3159.7**	**3085.3**	**+2.4**
STAPLE+TOW+FIBERFILL								
NYLON	85.5	90.8	-5.8	81.3	+5.2	736.7	718.4	+2.5
ACRYLIC+MODACRYLIC	44.1	47.6	-7.4	51.8	-14.9	414.2	442.2	-6.3
POLYESTER	182.0	198.3	-8.2	202.9	-10.3	1788.9	1778.5	+0.6
OLEFIN	33.1	33.9	-2.4	30.2	+9.6	286.7	272.0	+5.4
TOTAL STAPLE	**344.7**	**370.6**	**-7.0**	**366.2**	**-5.9**	**3226.5**	**3211.1**	**+0.5**
TOTAL SYNTHETIC (NONCELL.)	**691.2**	**718.7**	**-3.8**	**719.3**	**-3.9**	**6386.2**	**6296.4**	**+1.4**
TOTAL MANUFACTURED FIBER	**735.2**	**765.9**	**-4.0**	**771.7**	**-4.7**	**6832.3**	**6772.1**	**+0.9**
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	698.2	725.4	-3.7	717.8	-2.7	6456.8	6329.1	+2.0
EXPORTS [c]	37.0	40.5	-8.6	53.9	-31.4	375.5	443.0	-15.2

a Includes low denier industrial yarn.
b Includes olefin exports.
c Excludes olefin exports.

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Formerly ***Textile Organon***

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TABLE 2:
MILL CONSUMPTION OF MANUFACTURED FIBER, COTTON & WOOL IN SELECTED COUNTRIES

MILLION POUNDS & *PERCENT*

	GRAND TOTAL		COTTON		WOOL		MANUF. FIBERS		MANUFACTURED FIBER DETAIL							
									ARTIFICIAL (CELL.)				SYNTHETIC (NONCELL.)			
									TOTAL		YARN	STAPLE	TOTAL		YARN	STAPLE
YEAR	LBS	%[a]	LBS	%[a]	LBS	%[a]	LBS	%[a]	LBS	%[a]	LBS	LBS	LBS	%[a]	LBS	LBS
U.S.A.[b]																
1981	10606	*100*	2731	*25.8*	153	*1.4*	7722	*72.8*	715	*6.7*	284	431	7007	*66.1*	3502	3505
1982	9263	*100*	2479	*26.8*	130	*1.4*	6654	*71.8*	522	*5.6*	206	316	6132	*66.2*	2918	3214
1983	10954	*100*	2796	*25.5*	163	*1.5*	7995	*73.0*	599	*5.5*	242	357	7396	*67.5*	3434	3962
1984	10621	*100*	2668	*25.1*	163	*1.5*	7790	*73.4*	588	*5.6*	228	360	7202	*67.8*	3399	3803
1985	10967	*100*	2796	*25.5*	135	*1.2*	8036	*73.3*	546	*5.0*	201	345	7490	*68.3*	3664	3826
1986	11920	*100*	3302	*27.7*	165	*1.4*	8453	*70.9*	608	*5.1*	209	399	7845	*65.8*	3747	4098
1987	12767	*100*	3737	*29.3*	168	*1.3*	8862	*69.4*	586	*4.6*	180	406	8276	*64.8*	3927	4349
1988	12560	*100*	3401	*27.1*	156	*1.2*	9003	*71.7*	613	*4.9*	200	413	8390	*66.8*	4022	4368
CANADA[c]																
1981	535	*100*	132	*24.7*	15	*2.8*	388	*72.5*	58	*10.8*			330	*61.7*		
1982	442	*100*	88	*19.9*	12	*2.7*	342	*77.4*	63	*14.3*	DETAIL		279	*63.1*	DETAIL	
1983	560	*100*	121	*21.6*	15	*2.7*	424	*75.7*	60	*10.7*	NOT		364	*65.0*	NOT	
1984	579	*100*	121	*20.9*	14	*2.4*	444	*76.7*	59	*10.2*			385	*66.5*		
1985	595	*100*	106	*17.8*	16	*2.7*	473	*79.5*	53	*8.9*	AVAILABLE		420	*70.6*	AVAILABLE	
1986	686	*100*	119	*17.3*	18	*2.7*	549	*80.0*	69	*10.0*			480	*70.0*		
1987	661	*100*	95	*14.4*	15	*2.3*	551	*83.3*	51	*7.7*			500	*75.6*		
1988	660	*100*	101	*15.3*	14	*2.1*	545	*82.6*	49	*7.4*			496	*75.2*		
JAPAN[d]																
1981	4282	*100*	1199	*28.0*	247	*5.8*	2836	*66.2*	525	*12.2*	155	370	2311	*54.0*	1206	1105
1982	4311	*100*	1235	*28.6*	249	*5.8*	2827	*65.6*	530	*12.3*	152	378	2297	*53.3*	1165	1132
1983	4242	*100*	1146	*27.0*	227	*5.4*	2869	*67.6*	531	*12.5*	137	394	2338	*55.1*	1197	1141
1984	4387	*100*	1139	*26.0*	252	*5.7*	2996	*68.3*	550	*12.6*	145	405	2446	*55.7*	1253	1193
1985	4333	*100*	1114	*25.7*	263	*6.1*	2956	*68.2*	535	*12.3*	143	392	2421	*55.9*	1236	1185
1986	4138	*100*	1109	*26.8*	244	*5.9*	2785	*67.3*	508	*12.3*	136	372	2277	*55.0*	1169	1108
1987	4309	*100*	1150	*26.7*	271	*6.3*	2888	*67.0*	463	*10.7*	134	329	2425	*56.3*	1234	1191
1988	4364	*100*	1148	*26.3*	271	*6.2*	2945	*67.5*	464	*10.7*	141	323	2481	*56.8*	1320	1161
EEC[e]																
1981	7187	*100*	1828	*25.4*	910	*12.7*	4449	*61.9*	985	*13.7*	317	668	3464	*48.2*	1379	2085
1982	6967	*100*	1943	*27.9*	827	*11.9*	4197	*60.2*	921	*13.2*	282	639	3276	*47.0*	1320	1956
1983	7246	*100*	1960	*27.1*	815	*11.2*	4471	*61.7*	911	*12.6*	274	637	3560	*49.1*	1398	2162
1984	8918	*100*	2508	*28.1*	927	*10.4*	5483	*61.5*	1089	*12.2*	321	768	4394	*49.3*	1693	2701
1985	9299	*100*	2505	*26.9*	936	*10.1*	5858	*63.0*	1150	*12.4*	361	789	4708	*50.6*	1799	2909
1986	9546	*100*	2656	*27.8*	936	*9.3*	5954	*62.9*	1127	*12.3*	351	776	4827	*50.6*	1854	2973
1987	10145	*100*	3069	*30.3*	976	*9.6*	6100	*60.1*	1107	*10.9*	340	767	4993	*49.2*	1917	3076
1988							DATA NOT AVAILABLE									
TAIWAN[f]																
1981	1867	*100*	525	*28.1*	31	*1.7*	1311	*70.2*								
1982	2005	*100*	558	*27.8*	37	*1.9*	1410	*70.3*								
1983	2309	*100*	597	*25.9*	40	*1.7*	1672	*72.4*								
1984	2656	*100*	644	*24.2*	42	*1.6*	1970	*74.2*	DETAIL NOT AVAILABLE							
1985	3150	*100*	950	*30.2*	32	*1.0*	2168	*68.8*								
1986	3652	*100*	970	*26.6*	53	*1.4*	2629	*72.0*								
1987	3802	*100*	892	*23.5*	58	*1.5*	2852	*75.0*								
1988	3702	*100*	864	*23.3*	45	*1.3*	2793	*75.4*								

a. The percentages in these columns show the share of each fiber in the specified year. They add to the 100% shown in each of the Grand Total Columns.

b. Mill Consumption is taken from pages 70 and 71 of the 1989 April ***Fiber Organon.*** Glass and Other Fibers are excluded.

c. Mill Consumption is taken from page 94 of the 1989 May ***Fiber Organon.***

d. **Source:** Japan Chemical Fibers Association.

e. **Source:** C.I.R.F.S. The EEC Countries in this table are: Belgium, France, Italy, Luxembourg, Netherlands, Germany, Fed. Rep. of and the U.K.

f. **Source:** Manufactured: Taiwan Man-Made Fiber Industries Association.
Cotton: Secretariat of the International Cotton Advisory Committee.
Wool: Commonwealth Secretariat International Wool Textile Organization.

U.S. MANUFACTURED FIBER TEXTILE TRADE BALANCE: AN OVERVIEW

In 1988, the U.S. balance of trade in manufactured fiber and manufactures improved over the import balance level of 1987. Imports themselves decreased 65 million pounds or 3% to reach 2127 million pounds. Exports increased by 220 million pounds to reach 1564 million pounds. The net balance therefore is an import balance of 562 million pounds, 283 million pounds below the import balance of 848 million pounds in 1987. (See Table 3)

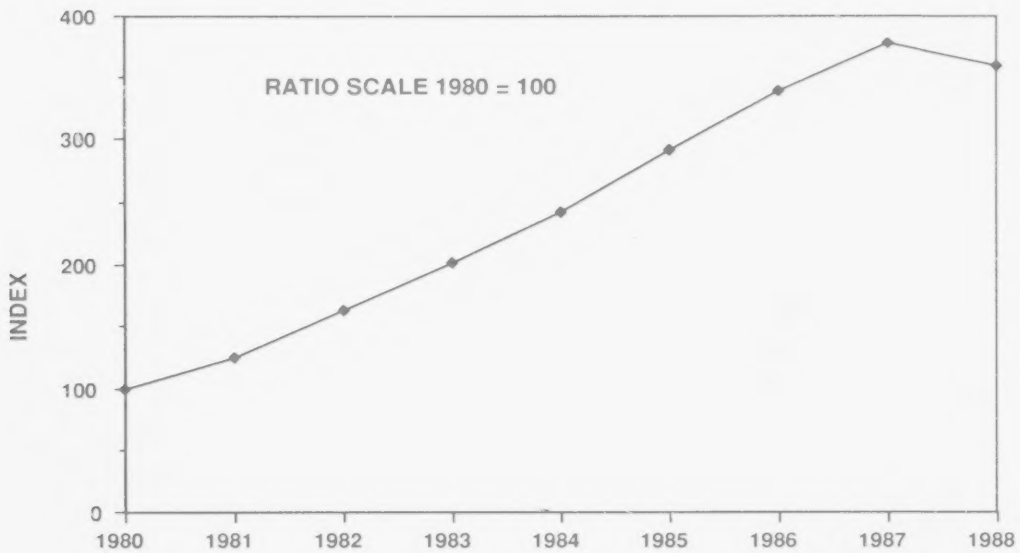
In 1988, the garment import trade balance was 903 million pounds, a decrease of 48 million pounds or 5% from the 951 million pound import trade balance in 1987. (See Table 5B)

As shown in Graph 1, the index of garment import trade balance has grown steadily since 1980. With 1980 as being the base point of 100, the 1988 index dropped to 359 from the 1987 level of 378.

The U.S. balance of trade in manufactures, excluding garments, was an import balance of 148 million pounds. The imports themselves at 745 million pounds were 4% below the 772 million pounds imported in 1987. However, a 87 million pound increase in exports produced a corresponding reduction in the import trade balance for 1988.

Manufactured fibers alone experienced a 489 million pound export trade balance. That figure is 123 million pounds above the 1987 quantity, but still well below the levels of the early 1980's. (See Graph 3)

GRAPH 1:
INDEX OF U.S. GARMENT IMPORT TRADE BALANCE
1980 - 1988



NOTE: Indexed from import balance in million pounds from Table 5B

GRAPH 2:
U.S. BALANCE OF TRADE IN MANUFACTURED FIBER & MANUFACTURES
1980 - 1988

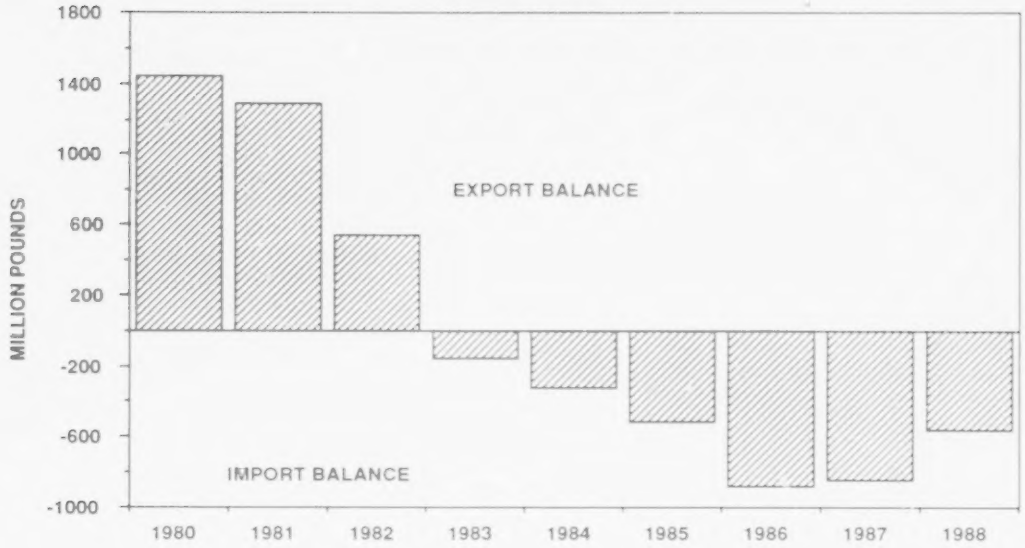


TABLE 3:
U.S. IMPORTS, EXPORTS & BALANCE IN MANUFACTURED FIBER & MANUFACTURES
1980-1988
MILLION POUNDS

YEAR	IMPORTS	EXPORTS	BALANCE [a]
1980	636.3	2079.8	1443.5 E
1981	796.4	2088.7	1292.3 E
1982	831.5	1374.3	542.8 E
1983	1287.9	1130.8	157.1 I
1984	1641.8	1316.0	325.8 I
1985	1822.4	1316.7	505.7 I
1986	2086.6	1204.6	882.0 I
1987	2192.0	1344.5	847.5 I
1988	2126.7	1564.3	562.4 I

SOURCE: U.S. Census Bureau Report IM146 and EM546. U.S. Department of Agriculture, *Cotton & Wool Outlook and Situation Report.*
a. I Import Balance. E Export Balance

GRAPH 3:
U.S. BALANCE OF TRADE IN MANUFACTURED FIBER VS. MANUFACTURED FIBER MANUFACTURES
1980 - 1988

TABLE 4A:
U.S. IMPORTS, EXPORTS & BALANCE IN MANUFACTURED FIBER
1980-1988
MILLION POUNDS

YEAR	IMPORTS	EXPORTS	BALANCE [a]	
1980	95.7	1308.3	1212.6	E
1981	157.3	1451.0	1293.7	E
1982	133.5	935.8	802.3	E
1983	218.5	670.1	451.6	E
1984	299.2	828.1	528.9	E
1985	331.4	867.6	536.2	E
1986	383.7	685.3	301.6	E
1987	386.6	752.6	366.0	E
1988	391.0	879.7	488.7	E

TABLE 4B:
U.S. IMPORTS, EXPORTS & BALANCE IN MANUFACTURED FIBER MANUFACTURES
1980-1988
MILLION POUNDS

YEAR	IMPORTS	EXPORTS	BALANCE [a]	
1980	540.6	771.5	230.9	E
1981	639.1	637.7	1.4	I
1982	698.0	438.5	259.5	I
1983	1069.4	460.7	608.7	I
1984	1342.6	487.9	854.7	I
1985	1491.0	449.1	1041.9	I
1986	1702.9	519.3	1183.6	I
1987	1805.4	591.9	1213.5	I
1988	1735.7	684.6	1051.1	I

SOURCE: U.S. Census Bureau Report IM146 and EM546. U.S. Department of Agriculture, ***Cotton & Wool Outlook and Situation Report.***
a. I Import Balance E Export Balance

GRAPH 4:
U.S. IMPORT & EXPORT BALANCE IN MANUFACTURED FIBER MANUFACTURES
1980 - 1988

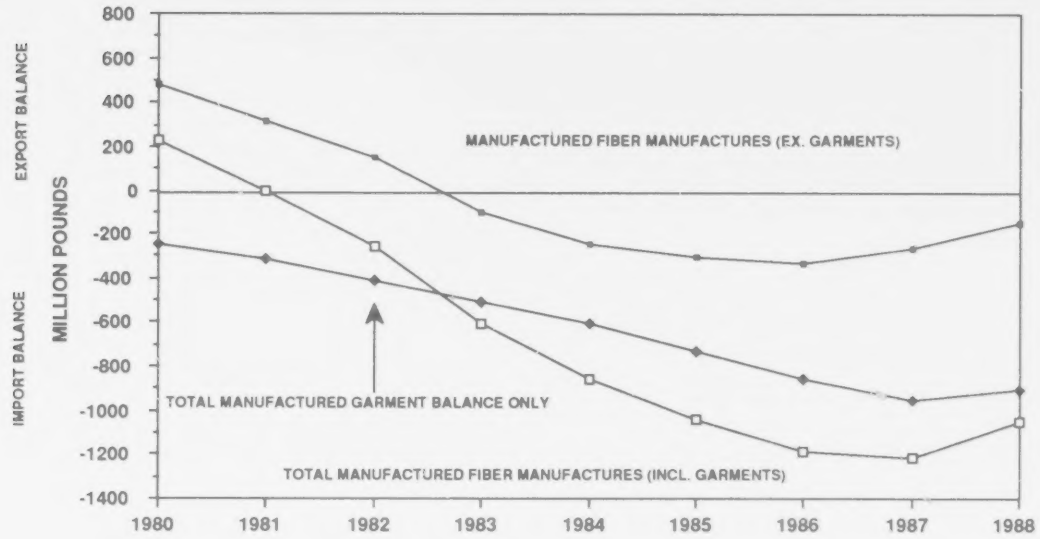


TABLE 5A:
U.S. IMPORTS, EXPORTS & BALANCE IN MANUFACTURED FIBER MANUFACTURES (EXCLUDING TRADE IN GARMENTS)
1980-1988

MILLION POUNDS

YEAR	IMPORTS	EXPORTS	BALANCE [a]	
1980	162.0	644.4	482.4	E
1981	202.0	517.0	315.0	E
1982	211.5	363.3	151.8	E
1983	493.4	389.9	103.5	I
1984	655.1	408.4	246.7	I
1985	690.9	383.9	307.0	I
1986	773.6	444.4	329.2	I
1987	772.2	509.3	262.9	I
1988	744.7	596.5	148.2	I

TABLE 5B:
U.S. GARMENTS TRADE BALANCE
1980-1988

MILLION POUNDS

YEAR	BALANCE [a]	
1980	251.5	I
1981	315.4	I
1982	411.3	I
1983	505.2	I
1984	608.0	I
1985	734.9	I
1986	854.4	I
1987	950.6	I
1988	902.9	I

SOURCE: U.S. Census Bureau Report IM146 and EM546. U.S. Department of Agriculture, ***Cotton & Wool Outlook and Situation Report.***
a. I Import Balance E Export Balance

TABLE 6:
U.S. IMPORTS, EXPORTS & BALANCE IN MANUFACTURED FIBERS & MANUFACTURES, COTTON MANUFACTURES & WOOL MANUFACTURES

THOUSAND POUNDS

PRODUCTS	1985 IMP	1985 EXP	1985 BAL [a]	1986 IMP	1986 EXP	1986 BAL [a]	1987 IMP	1987 EXP	1987 BAL [a]	1988 IMP	1988 EXP	1988 BAL [a]
ARTIFICIAL (RAYON+ACETATE)												
YARN+MONOFILAMENTS	13923	10629	3294 I	16963	7346	9617 I	12811	6427	6384 I	17641	12657	4984 I
STAPLE+TOW	12308	37824	25516 E	17428	32566	15138 E	13824	34502	20678 E	20401	24555	4154 E
WASTE	479	1207	728 E	121	2222	2101 E	85	1090	1005 E	7	. 1921	1914 E
SUBTOTAL	**26710**	**49660**	**22950 E**	**34512**	**42134**	**7622 E**	**26720**	**42019**	**15299 E**	**38049**	**39133**	**1084 E**
SYNTHETIC (NONCELLULOSIC) FIBERS												
YARN+MONOFILAMENTS	104561	325803	221242 E	126057	255572	129515 E	123930	231182	107252 E	116278	297078	180800 E
STAPLE+TOW	159446	416512	257066 E	182790	263914	81124 E	188985	365929	176944 E	196154	399100	202946 E
WASTE	40673	75645	34972 E	40303	123696	83393 E	46957	113527	66570 E	40504	144392	103888 E
SUBTOTAL	**304680**	**817960**	**513280 E**	**349150**	**643182**	**294032 E**	**359872**	**710638**	**350766 E**	**352936**	**840570**	**487634 E**
TOTAL FIBER [b]	**331390**	**867620**	**536230 E**	**383662**	**685316**	**301654 E**	**386592**	**752657**	**366065 E**	**390985**	**879703**	**488718 E**
MANUFACTURED FIBER MANUFACTURES [c]												
SLIVER, TOPS & ROVING	2057	8543	6486 E	3424	4632	1208 E	5793	5191	602 I	4053	11962	7909 E
SPUN YARNS	45541	37748	7793 I	64540	38228	26312 I	63516	42737	20779 I	43423	48351	4928 E
THREAD & CRAFT YARNS	9670	4773	4897 I	4730	5042	312 E	8850	5967	2883 I	7758	6225	1533 I
TIRE CORD & FABRIC	915	30350	29435 E	2676	46290	43614 E	5599	53760	48161 E	11454	46347	34893 E
WOVEN FABRIC	186198	124873	61325 I	207180	134581	72599 I	182515	152653	29862 I	179234	169309	9925 I
KNIT FABRICS	9700	11832	2132 E	12496	11719	777 I	14569	11607	2962 I	11472	14572	3100 E
NARROW FABRICS	18449	21875	3426 E	25308	37949	12641 E	14636	45647	31011 E	14910	62221	47311 E
APPAREL - KNIT	341372	}65225	734878 I	431179	}74906	854452 I	485359	}82532	950692 I	443031	}88132	902902 I
- NOT KNIT	458731			498179			547865			548003		
HOME FURNISHINGS		70291			86817			100989			138262	
OTHER	}418393	73632	}274470 I	}453240	79141	}287282 I	}476740	90785	}284966 I	}472362	99370	}234730 I
TOTAL MANUFACTURES	**1491026**	**449142**	**1041884 I**	**1702952**	**519305**	**1183647 I**	**1805442**	**591868**	**1213574 I**	**1735700**	**684751**	**1050949 I**
TOTAL MANUFACTURED FIBER & MANUFACTURES	**1822416**	**1316762**	**505654 I**	**2086614**	**1204621**	**881993 I**	**2192034**	**1344525**	**847509 I**	**2126685**	**1564454**	**562231 I**
COTTON MANUFACTURES [d]	**1629166**	**213224**	**1415942 I**	**1910477**	**274828**	**1635649 I**	**2335692**	**298004**	**2037688 I**	**2118775**	**330266**	**1788509 I**
WOOL MANUFACTURES [e]	**264822**	**17761**	**247061 I**	**275623**	**15970**	**259653 I**	**276092**	**23461**	**252631 I**	**242384**	**30594**	**211790 I**

SOURCES: The manufactured fiber import and export data are from the U.S. Census Bureau Reports IM146 and EM546.

The manufactured, cotton and wool manufactures data are from U.S. Department of Agriculture ***"Cotton and Wool Outlook Situation."***

The total manufactured fiber and manufactures import, export and balance data of this table cover the artificial (cellulosic) and synthetic (noncellulosic) fibers only; glass fiber is excluded.

a. **E** Export Balance; **I** Import Balance.

b. The fibers included are shown as ***"Total Manufactured Fiber Above"*** on pages 232 and 233 of this issue.

c. Manufactured fiber equivalent.

d. Raw cotton equivalent. Data are similiar to those on page 183 of the August 1989 ***FIBER ORGANON***.

e. Raw wool content. The data differ from those on page 183 of the August 1989 ***FIBER ORGANON*** to the extent that noils and waste are included here.

TABLE 7:
SUMMARY OF U.S. IMPORTS, EXPORTS & BALANCE IN MANUFACTURED FIBERS & MANUFACTURES

MILLION POUNDS

ITEM	1985	1986	1987	1988
IMPORTS				
TOTAL FIBER [a]	331 4	383 7	386 6	391 0
TOTAL MANUFACTURES [b]	1491 0	1702 9	1805 4	1735 7
TOTAL IMPORTS	**1822.4**	**2086.6**	**2192.0**	**2126.7**
EXPORTS				
TOTAL FIBER [a]	867 6	685 3	752 6	879 7
TOTAL MANUFACTURES [b]	449 1	519 3	591 9	684 6
TOTAL EXPORTS	**1316.7**	**1204.6**	**1344.5**	**1564.3**
BALANCE [c]	505 7 I	882 0 I	847 5 I	562 4 I
U.S. PRODUCTION [d]	8390 3	8718 6	9170 0	9382 1
U.S. NET AVAILABLE	8896 0	9600 6	10017 5	9944 5
IMPORTS AS % OF PRODUCTION	*21 7*	*23 9*	*23 9*	*22 7*
EXPORTS AS % OF PRODUCTION	*15 7*	*13.8*	*14 7*	*16 7*

a. As shown in Total Fiber in Table 6 above.

b. As shown in Total Manufactures in Table 6 above.

c. **E** Export Balance; **I** Import Balance.

d. Production of yarn, monofilaments, staple+tow (excluding glass fiber) and producers' shipments of waste from the March 1989 ***Textile Organon***, pages 48 and 52.

TABLE 8:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	0	0	6	1	4	0	139	0					150	
BRAZIL	53	110	55	0	54	76	22	53					423	
CANADA	745	619	686	613	656	532	399	634					4884	
CHILE	44	22	22	22	22	44	48	0					224	
GERMANY, FED. REP. OF	784	515	697	452	436	362	521	928					4695	
IRELAND	37	0	36	138	34	36	107	69					457	
JAPAN	55	121	122	185	110	206	57	81					937	
KOREA, REP. OF	66	22	0	56	0	22	11	3					180	
MEXICO	156	99	171	45	153	144	213	141					1122	
NETHERLANDS	61	239	261	173	204	380	262	413					1993	
UNITED KINGDOM	75	68	113	135	75	66	84	40					656	
ALL OTHER COUNTRIES [a]	40	24	30	8	168	62	363	79					774	
TOTAL ARTIFICIAL YARN	**2116**	**1839**	**2199**	**1828**	**1916**	**1930**	**2226**	**2441**					**16495**	**10619**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	323	422	377	226	381	430	394	568					3121	
CANADA	4757	1990	4093	3462	3409	2370	1638	4140					25859	
CHINA, PRC	104	0	369	0	752	0	110	0					1335	
GERMANY, DEM. REP.	0	0	95	43	82	80	44	0					344	
GERMANY, FED. REP. OF	68	67	95	116	124	142	208	179					999	
JAPAN	150	521	422	263	107	60	84	61					1668	
SWITZERLAND	9	25	41	37	65	40	286	7					510	
TAIWAN	28	0	28	88	320	0	264	176					904	
UNITED KINGDOM	265	225	1	47	69	42	67	135					851	
ALL OTHER COUNTRIES [b]	273	241	123	138	111	255	42	261					1444	
TOTAL ARTIFICIAL STAPLE+TOW	**5977**	**3491**	**5644**	**4420**	**5420**	**3419**	**3137**	**5527**					**37035**	**11315**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
ARGENTINA	0	30	46	0	11	38	1479	1					1605	
BELGIUM	0	56	115	171	343	236	568	685					2174	
BRAZIL	106	63	170	30	140	201	57	191					958	
CANADA	3437	2926	2969	2399	3327	3304	2445	3580					24387	
COSTA RICA	252	487	591	433	415	517	537	515					3747	
ECUADOR	91	26	144	0	58	23	71	33					446	
FRANCE	1180	1151	1079	1159	1159	1085	972	799					8584	
GERMANY, FED. REP. OF	2231	2204	2641	2514	2357	3691	2202	1988					19828	
ISRAEL	299	217	172	149	285	244	117	124					1607	
ITALY	924	323	873	859	1031	132	489	526					5157	
JAPAN	469	610	568	609	548	502	845	1110					5261	
KOREA, REP. OF	10	49	7	81	98	42	89	0					376	
MEXICO	1447	2222	2385	1857	2527	2911	2490	2806					18645	
NETHERLANDS	68	193	267	338	69	63	398	104					1500	
SINGAPORE	0	25	0	33	0	33	16	16					123	
TAIWAN	50	175	650	1296	2844	3217	3133	2680					14045	
THAILAND	65	64	69	67	63	171	124	142					765	
UNITED KINGDOM	1482	1357	1409	1649	1790	1506	1635	2014					12842	
ALL OTHER COUNTRIES [c]	36	175	221	260	67	330	189	324					1602	
TOTAL SYNTHETIC YARN	**12147**	**12353**	**14376**	**13904**	**17132**	**18246**	**17856**	**17638**					**123652**	**78141**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	0	3	9	13	1	0	79	0					105	
AUSTRALIA	31	160	1	82	16	43	149	78					560	
BELGIUM	47	99	60	56	67	7	7	378					721	
CANADA	1413	737	1481	1489	1292	874	622	818					8726	
FRANCE	230	304	253	405	388	336	136	519					2571	
GERMANY, FED. REP. OF	1985	1758	1318	1293	1491	1780	1084	2057					12766	
INDIA	0	0	3772	3400	709	49	1772	2893					12595	
IRELAND	280	480	305	348	0	36	0	0					1449	
ITALY	482	394	206	46	61	34	70	193					1486	
JAPAN	1773	1757	2303	2770	2429	1826	1929	2894					17681	
KOREA, REP. OF	2297	3387	3933	4165	5687	4876	4806	2638					31789	
MEXICO	1049	372	420	1016	783	462	579	797					5478	
NETHERLANDS	31	103	99	81	56	105	21	617					1113	
SPAIN	8	0	178	39	65	128	0	0					418	
SWITZERLAND	146	165	134	166	125	42	242	214					1234	
TAIWAN	262	235	215	808	917	2057	2093	1994					8581	
TURKEY	18	0	0	0	111	37	90	105					361	
UNITED KINGDOM	2318	2304	1643	2107	2671	1229	1645	810					14727	
ALL OTHER COUNTRIES [d]	2	53	45	56	29	28	0	241					454	
TOTAL SYNTHETIC STAPLE+TOW	**12372**	**12311**	**16375**	**18340**	**16898**	**13949**	**15324**	**17246**					**122815**	**132020**

a. Belgium 386, Italy 110, Taiwan 67, China, PRC 51, France 43, Greece 41, Norway 32, Singapore 23, Egypt 21.
b. Australia 217, Italy 193, Poland 189, Romania 175, Korea, Rep. of 171, France 121, Sweden 115, Finland 76, Belgium 73, Spain 47, Peru 37, India 18, Thailand 11, Mexico 1
c. Portugal 340, Egypt 258, Ireland 253, Turkey 187, Austria 112, Peru 99, Spain 66, Switzerland 52, Australia 49, El Salvador 35, Nigeria 35, Morocco 26, Hong Kong 24, Honduras 20, Sweden 12, Colombia 9, Denmark 9, Greece 6.
d. Israel 169, Romania 116, Hong Kong 91, Germany, Dem. Rep. 42, Brazil 34, China, PRC 2

Effective January 1,1989 the U.S. Manufactured Imports for Consumption by Country of Origin are based on the new Harmonized System (HS). On pages 73 through 79 of the ***Fiber Organon***, April 1989 issue, we present the Harmonized Tariff Schedule of the United States covering cellulosic (artificial) and noncellulosic (synthetic) fibers, Annotated for Statistical Reporting Purposes. **Data for 1989 is not comparable to prior years.**

Selected U.S. Manufactured Imports for Consumption by Country of Origin for 1988 are published in the ***Textile Organon***, February 1989 issue, page 31

TABLE 9:
U.S. MANUFACTURED FIBER IMPORTS
THOUSAND POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	114	266	408	205	111	192	176	252					1724	
TEXTURED	180	1	0	24	0	27	497	58					787	
OTHER	1726	1532	1671	1449	1732	1673	1402	2036					13221	
MONOFILAMENTS & STRIPS	96	40	120	150	73	38	151	95					763	
SUBTOTAL ABOVE	**2116**	**1839**	**2199**	**1828**	**1916**	**1930**	**2226**	**2441**					**16495**	**10819**
STAPLE	5924	3481	5624	4403	5312	3419	3113	5451					36727	
TOW	47	0	0	7	103	0	24	72					253	
TOPS	6	10	20	10	5	0	0	4					55	
SUBTOTAL ABOVE	**5977**	**3491**	**5644**	**4420**	**5420**	**3419**	**3137**	**5527**					**37035**	**11315**
WASTE	**18**	**122**	**47**	**213**	**0**	**0**	**0**	**94**					**494**	**5**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	1037	1093	1506	1578	1829	1964	1480	1706					12193	
TEXTURED														
UP TO 450 DENIER	385	217	359	285	319	315	333	428					2641	
OVER 450 DENIER	1311	1054	1428	1294	1241	654	943	865					8790	
OTHER	3820	3306	3786	3845	4296	5210	4007	4096					32366	
MONOFILAMENTS & STRIPS	72	159	58	113	143	116	120	63					844	
SUBTOTAL ABOVE	**6625**	**5829**	**7137**	**7115**	**7828**	**8259**	**6883**	**7158**					**56834**	**26128**
POLYESTER														
HIGH TENACITY	957	880	909	488	797	703	361	603					5698	
TEXTURED	883	1673	1738	1766	1775	2385	1747	2230					14197	
POY	0	40	642	1088	2744	3214	3170	2407					13305	
OTHER	1152	1481	1719	1740	1324	1567	1551	1815					12349	
MONOFILAMENTS & STRIPS	65	80	34	55	24	70	73	65					466	
SUBTOTAL ABOVE	**3057**	**4154**	**5042**	**5127**	**6664**	**7939**	**6902**	**7120**					**46015**	**24064**
OTHER SYNTHETIC FILAMENT														
TEXTURED	2057	1685	1550	1054	2074	1555	1199	1981					13155	
OTHER	261	386	339	274	171	136	1049	1015					3631	
MONOFILAMENTS & STRIPS	147	299	308	324	395	357	1823	364					4017	
SUBTOTAL ABOVE	**2465**	**2370**	**2197**	**1652**	**2640**	**2048**	**4071**	**3360**					**20803**	**27949**
STAPLE														
NYLON	1726	1896	1845	1592	1422	1273	1445	1611					12810	
POLYESTER	5584	5594	10047	10627	10327	8674	9641	11597					72391	
ACRYLIC	1934	1028	1576	1518	1206	1511	1335	2194					12302	
POLYPROPYLENE	44	55	197	351	93	220	298	55					1313	
OTHER	172	1040	651	740	107	165	259	245					3439	
TOW														
NYLON	237	433	257	504	341	315	225	524					2836	
POLYESTER	47	78	131	49	140	114	31	32					622	
ACRYLIC	2023	1709	1127	2522	2868	1462	1574	837					14122	
OTHER	117	120	146	0	0	14	0	15					412	
TOPS	488	358	398	437	334	201	216	136					2568	
SUBTOTAL ABOVE	**12372**	**12311**	**16375**	**18340**	**16898**	**13949**	**15324**	**17246**					**122815**	**132020**
WASTE														
NYLON	1971	1804	1754	2087	1949	2027	1769	2266					15627	
POLYESTER	999	340	730	1029	846	973	1475	2106					8498	
OTHER	396	725	477	486	547	389	326	675					4021	
TOTAL MANUFACTURED FIBERS ABOVE	**35996**	**32985**	**41602**	**42307**	**44708**	**40933**	**42113**	**47993**					**328637**	**230066**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	229	84	46	26	74	73	105	171					808	
SPUN YARN	492	396	370	287	418	406	466	798					3633	
SPUN YARNS														
SYNTHETIC	517	686	517	258	677	1019	937	801					5412	
ARTIFICIAL	0	0	0	0	0	0	0	0					0	
PUT UP FOR RETAIL SALE	71	50	27	37	74	39	128	63					489	
GRAND TOTAL ABOVE	**37305**	**34201**	**42562**	**42915**	**45951**	**42470**	**43749**	**49826**					**338979**	**312165**

SOURCE: U.S. Census Bureau Report IM145X

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U.S. Monthly Imports of Manufactured Fibers for 1988, are published in the ***Textile Organon***, February 1989 issue, on page 32.

TABLE 10:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	9	13	45	26	30	16	74	117					330	
TEXTURED	463	17	29	1	29	28	1009	26					1602	
OTHER	694	63	18	60	21	15	51	30					952	
MONOFILAMENTS & STRIPS	90	0	7	93	5	9	21	12					237	
SUBTOTAL ABOVE	**1256**	**93**	**99**	**180**	**85**	**68**	**1155**	**185**					**3121**	**8230**
STAPLE	2827	1786	1325	920	1659	1786	2084	2167					14554	
TOPS	94	0	8	129	53	48	7	101					440	
SUBTOTAL ABOVE	**2921**	**1786**	**1333**	**1049**	**1712**	**1834**	**2091**	**2268**					**14994**	**16048**
WASTE	**1303**	**559**	**1587**	**1116**	**1635**	**1108**	**1021**	**551**					**8880**	**1650**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	9331	9410	7884	16614	6326	6999	11613	7987					76164	
TEXTURED														
UP TO 450 DENIER	522	586	719	666	819	1271	488	856					5927	
OVER 450 DENIER	4703	5051	5459	4430	4096	3626	3176	4030					34574	
OTHER	2038	2103	2133	2188	2571	2003	1669	2028					16733	
MONOFILAMENTS & STRIPS	239	258	187	131	204	303	282	134					1738	
SUBTOTAL ABOVE	**16836**	**17408**	**16382**	**24029**	**14016**	**14202**	**17228**	**15035**					**135136**	**104956**
POLYESTER														
HIGH TENACITY	3031	3122	2773	3282	4214	4080	3334	3490					27326	
TEXTURED	3651	3677	2385	2939	3208	3577	1341	2557					23335	
POY	939	1250	2204	1446	629	528	2782	289					10067	
OTHER	1007	584	829	983	777	1186	933	722					7021	
MONOFILAMENTS & STRIPS	208	213	203	132	302	332	275	346					2011	
SUBTOTAL ABOVE	**8836**	**8846**	**8394**	**8782**	**9130**	**9703**	**8665**	**7404**					**69760**	**58669**
OTHER SYNTHETIC FILAMENT														
TEXTURED	1033	457	872	903	992	634	980	995					6866	
OTHER	1342	1471	1735	1730	1559	1332	1724	1527					12420	
MONOFILAMENTS & STRIPS	486	421	771	1317	927	987	687	860					6456	
SUBTOTAL ABOVE	**2861**	**2349**	**3378**	**3950**	**3478**	**2953**	**3391**	**3382**					**25742**	**30049**
STAPLE														
NYLON	2605	3265	3262	2629	3280	3985	2532	1797					23355	
POLYESTER	14048	10762	12940	12923	10675	7497	8203	8432					85480	
ACRYLIC	3326	5674	6643	6896	6342	9369	8569	6419					53238	
POLYPROPYLENE	1336	1569	1129	2264	2714	2477	1995	1454					14938	
OTHER	836	2036	1489	2562	1734	1757	2004	1412					13830	
TOW														
NYLON	31	50	50	108	141	86	56	61					583	
POLYESTER	37	564	472	634	7	621	541	113					2989	
ACRYLIC	1037	1761	2185	3302	1467	829	1070	899					12550	
OTHER	161	16	34	503	9	7	77	13					820	
TOPS	847	964	1224	2191	3092	1230	1557	3000					14105	
SUBTOTAL ABOVE	**24264**	**26661**	**29428**	**34012**	**29461**	**27858**	**26604**	**23600**					**221888**	**263465**
WASTE														
NYLON	2127	2118	2159	2883	2102	2007	1852	2750					17998	
POLYESTER	4369	3980	3189	5535	3685	2726	3631	2444					29559	
OTHER	5113	6957	8080	6731	7071	5876	8304	5850					53982	
TOTAL MANUFACTURED FIBERS ABOVE	**69886**	**70757**	**74029**	**88267**	**72375**	**68335**	**73942**	**63469**					**581060**	**568400**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	13	51	43	74	9	93	41	77					401	
SPUN YARN	0	0	0	0	0	0	0	0					0	
SPUN YARNS														
SYNTHETIC	732	959	1152	1172	1944	1089	856	1532					9436	
ARTIFICIAL	0	0	0	0	0	0	0	0					0	
PUT UP FOR RETAIL SALE	606	740	923	580	532	435	536	704					5056	
GRAND TOTAL ABOVE	**71237**	**72507**	**76147**	**90093**	**74860**	**69952**	**75375**	**65782**					**595953**	

SOURCE: U.S. Census Bureau Report EM522

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U.S. Monthly Exports of Manufactured Fibers for 1988, are published in the ***Textile Organon***, February 1989 issue, on page 33

TABLE 11:
U.S. IMPORTS OF MANUFACTURED FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/87	THOUSAND POUNDS					THOUSAND DOLLARS				
		1984	1985	1986	1987	1988	1984	1985	1986	1987	1988
ARTIFICIAL (CELL.) FIBERS											
YARN - SINGLES											
TEXTURED	310.0106 & .0206	1571	190	518	305	1483	940	237	610	511	2278
OTHER	310.0130 & .0230[a]	8245	12951	15669	12267	15238	12924	19129	24795	19226	29005
MONOFILAMENTS	309.0810 & .0610	5	19	20	12	7	20	44	68	77	59
STRIPS, $1/LB. & UNDER	309.2000*	160	763	756	227	913	88	524	646	196	726
SUBTOTAL ABOVE		9981	13923	16963	12811	17641	13972	20064	26119	20010	32068
STAPLE	309.4320 & .4325	15388	11286	16453	12931	19037	10320	6844	12678	11128	15491
GROUPED FILAMENTS	309.3010 & .3310	1605	1022	975	893	1364	2619	1471	1305	1600	2105
SUBTOTAL ABOVE		16993	12308	17428	13824	20401	12939	8315	13983	12728	17596
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	530	479	121	85	7	323	263	79	25	14
SYNTHETIC (NONCELL.) FIBERS											
YARN - SINGLES											
TEXTURED - NYLON											
LESS THAN 450 DENIER	310.0107 & .0207	17966	32352	2601	2035	2679	26141	35244	5025	4170	5266
450 DENIER AND OVER	310.0108 & .0208			33994	26755	17721			37305	29921	22961
- POLYESTER	310.0110 & .0210	10806	16642	14590	15580	15060	10513	14653	10029	15402	14704
- OTHER	310.0114 & .0214	8939	14723	20477	24088	25188	10536	15732	20187	23874	27436
OTHER - NYLON	310.0149 & .0249	30192	18350	22521	22839	17773	39222	23747	30781	36679	30432
- POLYESTER	310.0150 & .0250	15698	16728	22465	19425	21596	21121	20624	28831	25656	33168
- OTHER	310.0170 & .0270[b]	2468	2520	5130	6777	8204	4139	4203	7837	8804	15235
MONOFILAMENTS	309.0200 & .0330[c]	2857	2059	2722	3804	4801	8817	5537	8197	12236	17498
STRIPS, OVER $1/LB.	309.2100 & .2500*	1066	1187	1557	2627	3256	5844	5886	6487	8601	11676
SUBTOTAL ABOVE		89992	104561	126057	123930	116278	126333	125626	157679	165344	178376
STAPLE - NYLON	309.4331 & .4351	3828	38544	51959	38955	21944	36579	34292	26229	42829	27622
POLYESTER	309.4336 & .4361	22890	26800	40785	70721	73198	13272	15841	13456	40278	50045
- ACRYLIC	309.4366	13541	17611	17442	15716	15389	12568	16396	7799	13096	18946
- OLEFIN	309.4371	2213	5732	1871	514	2075	1630	3879	289	400	1072
- OTHER	309.4341 & .4390	15412	25516	14238	12992	17778	11326	21283	4258	12810	23992
GROUPED FILAMENTS											
NYLON	309.3030 & .3200	23129	29514	38536	32248	40211	33524	40769	58505	50546	64708
POLYESTER	309.3040 & .3340	7104	4980	2354	3139	4355	6569	4715	2392	3767	6242
ACRYLIC	309.3050 & .3350	6929	7518	13065	13000	19418	15116	16548	31792	31152	48130
OTHER	309.3065 & .3365	1660	3231	2540	1700	1786	2371	4313	3339	2991	2706
SUBTOTAL ABOVE		131159	159446	182790	188985	196154	132955	158036	148059	197869	243463
WASTE, NOT ADVANCED											
- NYLON	309.6625	31205	27162	22377	26926	22512	13876	10793	7755	8412	8582
- POLYESTER	309.6630	8042	7149	6304	9170	10113	1325	1143	878	1385	1961
- ACRYLIC	309.6645	39	283	328	306	167	8	48	182	70	62
- OTHER	309.6660	4074	2072	8442	4666	2577	2027	607	2142	895	502
NOILS & GARNETTED FIBERS	309.7000*	458	155	164	162	109	254	101	123	83	57
OTHER WASTE, ADVANCED	309.7525 - .7555	6729	3852	2688	5727	5026	1912	890	702	1894	1353
SUBTOTAL ABOVE		50547	40673	40303	46957	40504	19402	13582	11782	12739	12517
TOTAL MANUFACTURED ABOVE		299202	331390	383662	386592	390985	305924	325886	357701	408715	484034
OTHER MANUFACTURED FIBER TOPS, YARN & THREAD											
YARN - PLIED											
TEXTURED - ARTIFICIAL (CELL.)	310.1506	1	1	1	5	*	7	7	15	44	1
- SYNTHETIC (NONCELL.)	310.1015[d] & .1205[d]	12223	9270	10221	3999	2303	17370	9955	11926	6471	4906
OTHER - ARTIFICIAL (CELL.)	310.1030 & .1535[f]	173	390	478	553	382	723	937	1932	2622	3183
- SYNTHETIC (NONCELL.)	310.1050 & .1070[g]	2763	4032	4857	3314	3703	4447	6795	10007	7441	10053
SPUN YARN - ARTIFICIAL (CELL.)	310.4005 & .4030[h]	1724	1739	1879	1541	814	2224	2100	3105	3199	2335
- OTHER	310.4015 & .4027[i]	35583	34260	44691	37128	22206	58127	54897	75910	68943	44590
OTHER YARNS - NES, INCL. CHENILLE	310.6034 - .8000	7517	8912	16759	28029	22911	16210	15640	28555	46150	42205
HANDWORK YARNS & SEWING THREAD	310.9000 & .9310[j]	5445	9283	4593	8338	7632	18111	28952	13846	31339	29859
SLIVER, TOPS & ROVING	309.9000	4544	1941	3298	5537	3914	4792	2334	4467	7085	7530
GLASS FIBER	309.2800 & .2900[k]	23083	34690	24404	29465	26200	19203	27850	23082	29283	30562
GRAND TOTAL ABOVE		392258	435908	494843	504501	481050	447138	475353	530546	611292	659258

Source: U.S. Census Bureau Report IM146

NES - Not elsewhere specified

* These items are not reported by the Census as artificial (cellulosic) vs synthetic (noncellulosic). Separation of artificial (cellulosic) and synthetic (noncellulosic) quantities are estimated, based primarily on average declared value.

a. Also includes 310.0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210.

f. Also includes 310.2110.

g. Also includes 310.1510, .1514, .1550, .1555, .1570, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Also includes 310.9320 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 12:
U.S. EXPORTS OF MANUFACTURED FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/87	THOUSAND POUNDS					THOUSAND DOLLARS				
		1984	1985	1986	1987	1988	1984	1985	1986	1987	1988
ARTIFICIAL (CELL.) FIBERS											
FILAMENT YARN [a]											
TEXTURED	310.0004	129	101	102	614	248	337	298	242	1323	864
OTHER [b]	310.0026	8614	10412	7002	5428	12049	10051	13859	9207	7768	18651
MONOFILAMENTS	309.0110	12	79	228	285	258	66	178	651	413	629
STRIPS	309.2210	79	37	14	100	102	85	44	16	96	86
SUBTOTAL ABOVE		**8834**	**10629**	**7436**	**6427**	**12657**	**10539**	**14379**	**10116**	**9600**	**20230**
STAPLE+TOW-RAYON	309.4222	53882	35975	30887	32781	21760	37688	25546	21840	23369	17311
STAPLE-ACETATE	309.4219	2090	1849	1679	1721	2795	2337	2535	2182	2487	3435
SUBTOTAL ABOVE	[1]	**55972**	**37824**	**32566**	**34502**	**24555**	**40025**	**28081**	**24022**	**25856**	**20746**
WASTE, ADVANCED & NOT ADVANCED	309.7400	**1632**	**1207**	**2222**	**1090**	**1921**	**1062**	**801**	**1822**	**939**	**706**
SYNTHETIC (NONCELL.) FIBERS											
YARN - SINGLES											
NYLON - TEXTURED	310.005 & .0007	32268	26894	24403	35048	55702	50916	39982	42863	64400	103805
- HIGH TENACITY [c]	310.0027	66732	69386	76870	78107	87142	62515	72294	81880	88840	121769
- OTHER	310.0029	13155	9357	10333	9142	12116	28217	19373	23099	22983	30285
POLYESTER - TEXTURED	310.0010	79753	135997	68753	25057	39592	93889	140792	69534	28774	51042
- HIGH TENACITY [c]	310.0032	9156	32137	23862	24961	27296	11064	29618	27087	29829	35602
- OTHER [d]	310.0034	5968	8934	2347	1794	3033	8371	9270	2410	2567	4341
OTHER - TEXTURED	310.0014	7673	10495	21122	18119	21702	12040	14470	27888	29402	32068
- OLEFIN	310.0040	340	555	1708	940	2874	485	766	1740	1087	3278
- OTHER	310.0044	5261	7766	6084	6799	6819	26909	32505	35562	40240	41958
MONOFILAMENTS, ALL DENIERS											
NYLON	309.0120	2848	2364	5116	6663	6660	10435	9221	12901	16246	17400
POLYESTER	309.0140	3794	5759	6256	12294	21016	10141	14128	13387	21050	35837
OTHER	309.0170	11047	11955	4775	7453	8765	22912	17491	20821	33736	41823
STRIPS	309.2220 & .2270	4460	4204	3943	4805	4361	11398	13903	12945	18837	13051
SUBTOTAL ABOVE		**242455**	**325803**	**255572**	**231182**	**297078**	**349292**	**413813**	**372117**	**397991**	**532259**
STAPLE - NYLON	309.4240	14904	11100	15037	23447	21440	21685	13854	17288	24690	24598
- POLYESTER	309.4242	178903	176697	111270	168127	143976	116843	112222	68239	90039	96891
- ACRYLIC	309.4245	162285	150729	58397	67074	130235	114377	100146	40763	47571	93145
- OLEFIN	309.4246	4368	6974	14623	21433	18794	4088	5754	12670	17842	16221
- OTHER	309.4247	8555	10695	17410	35295	24112	30566	35401	57209	77415	75185
GROUPED FILAMENTS											
NYLON	309.3220	3048	1948	3701	5483	7134	8947	4635	9480	12681	15943
POLYESTER [d]	309.3240	23693	29155	21511	20573	20438	20749	23335	18135	18148	22156
ACRYLIC	309.3250 & .3255	33807	29214	21965	24497	32971	27202	24095	19498	19459	26532
SUBTOTAL ABOVE		**429563**	**416512**	**263914**	**365929**	**399100**	**344457**	**319442**	**243282**	**307845**	**370671**
WASTE, ADVANCED & NOT ADVANCED											
- NYLON	309.7620	12465	5601	8855	11686	18840	6494	3048	4441	6047	8709
- POLYESTER	309.7630	57371	46404	59265	56412	65478	22417	17722	24245	25423	33533
- ACRYLIC	309.7640	4620	4804	6399	9569	9688	1365	1286	1372	3045	4856
- OTHER	309.7660	15203	18836	49177	35860	50386	6385	6818	15315	12710	19407
SUBTOTAL ABOVE		**89659**	**75645**	**123696**	**113527**	**144392**	**36661**	**28874**	**45373**	**47225**	**66505**
TOTAL MANUFACTURED ABOVE		**828115**	**867620**	**685316**	**752657**	**879703**	**782036**	**805390**	**696732**	**789456**	**1011117**
GLASS FIBER	309.2700 & .9700	58101	58328	61160	85378	106530	56385	57787	66134	95496	120313
GRAND TOTAL ABOVE		**886216**	**925948**	**746476**	**838035**	**986233**	**838421**	**863177**	**762866**	**884952**	**1131430**

SOURCE: U.S. Census Bureau Report EM546

a. Includes thrown, singles and plied yarn.
b. Includes rayon tire cord and cord fabric.
c. Includes noncellulosic tire cord and cord fabric.
d. Includes zero twist yarns.

TABLE 13:
U.S. MANUFACTURED FIBER IMPORTS
THOUSAND POUNDS

ITEM	THOUSAND POUNDS	THOUSAND DOLLARS
	6 MOS. 1989	6 MOS. 1989
ARTIFICIAL (CELLULOSIC) FIBER		
FILAMENT YARN		
HIGH TENACITY	1296	3167
TEXTURED	232	269
OTHER	9783	17916
MONOFILAMENTS & STRIPS	517	1198
SUBTOTAL ABOVE	**11828**	**22550**
STAPLE	28163	23925
TOW	157	189
TOPS	51	138
SUBTOTAL ABOVE	**28371**	**24252**
WASTE	**400**	**156**
SYNTHETIC (NONCELLULOSIC) FIBERS		
FILAMENT YARN		
NYLON		
HIGH TENACITY	9007	15748
TEXTURED		
UP TO 450 DENIER	1880	4501
OVER 450 DENIER	6982	8303
OTHER	24263	38304
MONOFILAMENTS & STRIPS	661	2460
SUBTOTAL ABOVE	**42793**	**69316**
POLYESTER		
HIGH TENACITY	4734	6704
TEXTURED	10220	10651
POY	7728	6232
OTHER	8983	14290
MONOFILAMENTS & STRIPS	328	704
SUBTOTAL ABOVE	**31993**	**38581**
OTHER SYNTHETIC FILAMENT		
TEXTURED	9977	11035
OTHER	1567	3129
MONOFILAMENTS & STRIPS	1830	8217
SUBTOTAL ABOVE	**13374**	**22381**
STAPLE		
NYLON	9754	13355
POLYESTER	50853	34984
ACRYLIC	8773	10174
POLYPROPYLENE	960	942
OTHER	2935	3712
TOW		
NYLON	2087	2382
POLYESTER	559	701
ACRYLIC	11711	16014
OTHER	397	405
TOPS	2216	4348
SUBTOTAL ABOVE	**90245**	**87017**
WASTE		
NYLON	11592	3663
POLYESTER	4917	1055
OTHER	3020	790
TOTAL MANUFACTURED FIBERS ABOVE	**238533**	**269761**
OTHER MFRD. FIBER YARN & THREAD		
SEWING THREAD		
FILAMENT	532	2981
SPUN YARN	2369	7034
SPUN YARNS		
SYNTHETIC	3674	6698
ARTIFICIAL	0	0
PUT UP FOR RETAIL SALE	298	1499
GRAND TOTAL ABOVE	**245406**	**287973**

SOURCE: U.S. Census Bureau Report IM146

Effective January 1,1989 the U.S. Imports are based on the new Harmonized System (HS). On pages 73 through 79 of the ***Fiber Organon***, April 1989 issue, we present the Harmonized Tariff Schedule of the United States covering artificial (cellulosic) and synthetic (noncellulosic) fibers, Annotated for Statistical Reporting Purposes. **Data for 1989 is not comparable to prior years.**

TABLE 14:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	THOUSAND POUNDS	THOUSAND DOLLARS
	6 MOS. 1989	6 MOS. 1989
ARTIFICIAL (CELLULOSIC) FIBER		
FILAMENT YARN		
HIGH TENACITY	139	432
TEXTURED	567	1004
OTHER	871	849
MONOFILAMENTS & STRIPS	204	355
SUBTOTAL ABOVE	**1781**	**2640**
STAPLE	10303	9673
TOPS	332	87
SUBTOTAL ABOVE	**10635**	**9760**
WASTE	**7308**	**3344**
SYNTHETIC (NONCELLULOSIC) FIBERS		
FILAMENT YARN		
NYLON		
HIGH TENACITY	56564	74729
TEXTURED		
UP TO 450 DENIER	4583	15640
OVER 450 DENIER	27368	51875
OTHER	13036	30172
MONOFILAMENTS & STRIPS	1322	1842
SUBTOTAL ABOVE	**102873**	**174258**
POLYESTER		
HIGH TENACITY	20502	27706
TEXTURED	19437	25857
POY	6996	11294
OTHER	5366	7697
MONOFILAMENTS & STRIPS	1390	3252
SUBTOTAL ABOVE	**53691**	**75806**
OTHER SYNTHETIC FILAMENT		
TEXTURED	4891	7717
OTHER	9169	41058
MONOFILAMENTS & STRIPS	4909	14787
SUBTOTAL ABOVE	**18969**	**63562**
STAPLE		
NYLON	19026	22334
POLYESTER	68845	51174
ACRYLIC	38250	26692
POLYPROPYLENE	11489	11626
OTHER	10414	39865
TOW		
NYLON	466	1352
POLYESTER	2335	3526
ACRYLIC	10581	8659
OTHER	730	1775
TOPS	9548	12120
SUBTOTAL ABOVE	**171684**	**179123**
WASTE		
NYLON	13396	5435
POLYESTER	23484	11358
OTHER	39828	14557
TOTAL MANUFACTURED FIBERS ABOVE	**443649**	**539843**
OTHER MFRD. FIBER YARN & THREAD		
SEWING THREAD		
FILAMENT	283	1173
SPUN YARN	0	0
SPUN YARNS		
SYNTHETIC	7048	11135
ARTIFICIAL	0	0
PUT UP FOR RETAIL SALE	3816	6641
GRAND TOTAL ABOVE	**454796**	**558792**

SOURCE: U.S. Census Bureau Report EM522

Effective January 1, 1989 the U.S. Exports are based on the new Harmonized System (HS). On pages 73 through 79 of the ***Fiber Organon***, April 1989 issue, we present the Harmonized Tariff Schedule of the United States covering artificial (cellulosic) and synthetic (noncellulosic) fibers, Annotated for Statistical Reporting Purposes. **Data for 1989 is not comparable to prior years.**

TABLE 15:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION
THOUSAND POUNDS

COUNTRY	A. ARTIFICIAL (CELL.) YARN, MONOFIL & STRIPS			B. SYNTHETIC (NONCELL.) TEXTILE YARN			C. SYNTHETIC (NONCELL.) INDUSTRIAL YARN, MONOFIL & STRIPS			D. ARTIFICIAL (CELL.) STAPLE+TOW			E. SYNTHETIC (NONCELL.) STAPLE + TOW		
	1987	1988	6 MOS. 1989	1987	1988	6 MOS. 1989	1987	1988	6 MOS. 1989	1987	1988	6 MOS. 1989	1987	1988	6 MOS. 1989
AUSTRIA	0	0	0	0	1	0	5	111	34	1	0	0	20	105	0
BELGIUM/ LUXEMBOURG	678	1638	11	8684	12286	5234	28638	29558	17200	1169	2028	1144	12218	9656	8204
DENMARK	0	0	0	913	911	339	43	176	1628	10	0	1	664	1920	47
FINLAND	0	0	0	223	156	131	520	1283	450	1	2	0	233	405	188
FRANCE	21	47	0	2328	2912	670	723	1178	763	169	149	40	1841	3100	812
GERMANY, FED. REP. OF	157	174	0	1328	1782	1800	1890	2796	3938	133	121	60	4211	553	1562
GREECE	13	0	0	27	110	0	13	54	18	20	23	0	95	51	49
ICELAND	0	0	0	0	0	0	0	0	64	0	0	0	221	229	3
IRELAND	0	0	70	100	1635	81	772	739	1637	0	235	232	875	1921	101
ITALY	+	210	3	935	599	749	2860	1489	523	42	27	37	9881	9617	1116
NETHERLANDS	0	3	594	1196	1012	675	1408	1040	2063	22	6	0	4291	8645	4386
NORWAY	0	0	0	71	51	0	428	39	70	41	42	0	241	476	7
PORTUGAL	20	0	0	160	636	219	70	2	314	0	0	0	0	32	0
SPAIN	25	1	0	2088	6587	3619	241	397	1062	11	10	0	5040	5201	1622
SWEDEN	0	30	0	244	194	77	1823	1629	787	26	11	0	1540	2654	1217
SWITZERLAND	0	0	0	55	16	9	182	54	145	36	13	0	5150	2658	161
TURKEY	0	0	0	796	5730	2554	28777	31732	18704	0	0	0	7609	8266	202
UNITED KINGDOM	39	71	32	4697	8575	3367	6370	7935	5051	269	268	61	4098	6585	3301
OTHER	0	0	0	00	5	0	2	7	0	0	0	0	0	0	233
TOTAL WESTERN EUROPE	**953**	**2174**	**710**	**24045**	**43198**	**19524**	**74765**	**80219**	**54451**	**1950**	**2935**	**1575**	**58228**	**67052**	**23211**
CZECHOSLOVAKIA	0	0	0	0	0	0	546	1592	132	0	0	0	450	675	726
GERMANY, DEM. REP.	0	0	0	0	1	164	0	0	0	0	0	0	0	5	0
HUNGARY	63	516	0	0	0	0	0	0	21	0	0	0	0	0	0
POLAND	0	0	0	387	459	106	1400	14	195	662	0	0	7566	14639	4906
U.S.S.R.	0	0	84	0	0	0	0	96	656	0	0	0	0	0	133
YUGOSLAVIA	0	0	0	0	0	0	549	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	8	15	0	0	0	0	0	0
TOTAL EASTERN EUROPE	**63**	**516**	**84**	**387**	**460**	**270**	**2495**	**1710**	**1019**	**662**	**0**	**0**	**8016**	**15319**	**5765**
CANADA	**2745**	**1925**	**229**	**28718**	**36708**	**17264**	**10325**	**12470**	**8207**	**950**	**663**	**770**	**88387**	**75933**	**33021**
ARGENTINA	32	0	0	248	83	156	249	76	75	93	0	5	455	408	34
BOLIVIA	67	0	0	126	69	0	9	15	1	0	0	0	670	34	3
BRAZIL	175	45	20	1531	1273	1	1027	1797	1188	255	3	24	637	1038	192
CHILE	0	11	3	129	86	193	143	132	168	1660	131	16	13957	15398	5417
COLOMBIA	25	0	14	406	141	46	1440	2667	603	3508	1773	1282	19496	4452	3213
COSTA RICA	3	0	0	3717	1052	425	36	197	494	37	7	0	2967	4410	3800
DOMINICAN REPUBLIC	156	40	2	1936	1412	352	49	95	492	0	16	0	790	284	268
ECUADOR	172	0	0	571	717	17	139	33	178	686	115	134	8828	8494	3374
EL SALVADOR	0	0	0	758	120	189	1216	331	164	43	1138	160	3689	7200	5407
GUATEMALA	21	0	0	1555	1370	812	38	5	182	0	119	0	6769	7509	4121
HAITI	1	0	0	272	232	53	729	5	75	1	3	0	6	1	30
HONDURAS	0	2	0	556	279	96	20	11	50	3	0	0	2167	1792	1614
JAMAICA	0	0	0	441	516	4	14	78	296	0	0	0	43	49	88
LEEWARD & WINDWARD ISL.	0	0	0	0	2	0	0	0	0	0	0	0	5	8	0
MEXICO	50	227	119	1737	3106	1640	2223	4332	2787	9142	13119	3713	22341	19526	18653
NICARAGUA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PANAMA	0	14	0	155	143	1	134	59	51	0	0	1	60	16	6
PARAGUAY	0	0	0	0	0	0	1	25	0	0	0	0	0	0	0
PERU	5	0	0	196	80	1582	536	156	118	429	214	0	451	7	0
TRINIDAD	0	0	0	2	57	34	52	4	11	0	0	0	8	6	8
URUGUAY	169	0	0	94	54	2	3	1	26	34	0	0	499	522	300
VENEZUELA	23	70	3	1201	1808	196	153	826	356	7808	2433	445	4486	2707	53
OTHER	0	19	0	90	183	6	5	6	63	4	2	0	19	67	14
TOTAL OTHER AMERICAS	**899**	**428**	**161**	**15721**	**12783**	**5805**	**8216**	**10851**	**7378**	**23703**	**19073**	**5780**	**88343**	**73928**	**46595**

See footnotes opposite

The following are corrections in the **WORLDWIDE DIRECTORY OF MANUFACTURED FIBER PRODUCERS** which appeared in the June 1989 ***FIBER ORGANON.***

On page 135,
NETHERLANDS

AKZO FIBRES AND POLYMERS DIVISION, ENKA bv
Aramid Arnhem, Emmen, *Arenka* (yarn)
Change tradename to:
Twaron

On page 139,
TAIWAN

FORMOSA CHEMICALS & FIBER CORPORATION
(part of Formosa Plastics Group)
Rayon Chang Hwa, *Tarsiyon* (reg yarn & staple)
Change to:
Rayon Chang Hwa & Longder, *Tairyon* (staple)

TABLE 15:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION *(CONTINUED)*
THOUSAND POUNDS

	A. ARTIFICIAL (CELL.) YARN, MONOFIL & STRIPS			B. SYNTHETIC (NONCELL.) TEXTILE YARN			C. SYNTHETIC (NONCELL.) INDUSTRIAL YARN, MONOFIL & STRIPS			D. ARTIFICIAL (CELL.) STAPLE+TOW			E. SYNTHETIC (NONCELL.) STAPLE+TOW		
COUNTRY	1987	1988	6 MOS. 1989	1987	1988	6 MOS. 1989	1987	1988	6 MOS. 1989	1987	1988	6 MOS. 1989	1987	1988	6 MOS. 1989
BANGLADESH	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
HONG KONG	5	5	0	600	373	134	361	501	1019	37	483	428	9312	11170	3880
INDIA	140	85	0	231	182	7	2808	3171	2258	52	278	0	2356	1320	1177
INDONESIA	0	0	0	0	79	29	3091	7809	8416	0	45	0	586	519	217
KOREA, REP. OF	37	2000	20	381	1462	349	1062	2151	1058	133	288	23	19042	13731	9225
MALAYSIA	0	13	0	4	1	49	0	10	11	0	33	41	52	278	49
PAKISTAN	19	0	0	347	370	86	42	67	286	37	0	0	1434	587	339
PHILIPPINES	8	23	0	470	334	406	1593	777	362	7	7	7	5212	5290	3794
SINGAPORE	0	0	0	339	2	8	216	959	317	40	3	0	599	129	13
TAIWAN	262	999	1	1782	596	72	3366	4679	2432	969	354	29	13198	23674	15145
THAILAND	56	35	0	48	105	80	299	344	547	0	0	0	11698	3141	2719
TOTAL OTHER ASIA	**527**	**3160**	**21**	**4202**	**3504**	**1220**	**12838**	**20468**	**16706**	**1275**	**1491**	**528**	**63501**	**59839**	**36556**
CHINA, PRC	**417**	**3460**	**448**	**760**	**6586**	**2511**	**3**	**2132**	**2028**	**5375**	**44**	**1757**	**39144**	**84557**	**16289**
JAPAN	**88**	**78**	**0**	**3732**	**10464**	**2848**	**15050**	**17964**	**10281**	**412**	**219**	**58**	**4216**	**7011**	**4900**
ALGERIA	0	0	0	0	82	0	0	5	0	0	13	0	1	0	0
AUSTRALIA	392	745	0	8222	14406	8058	1542	2009	6947	145	79	129	6476	8839	1190
CAMEROON	0	0	0	132	118	12	0	0	0	0	0	0	0	0	0
EGYPT	0	0	0	1611	315	746	88	150	190	0	0	0	4708	931	825
IRAQ	0	0	0	0	831	325	0	0	0	0	0	0	0	0	0
ISRAEL	10	55	21	3055	1455	740	7913	6440	3867	3	5	38	2158	885	476
JORDAN	57	0	0	1	55	9	0	0	0	0	0	0	0	0	3
KENYA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	136
LEBANON	28	0	0	78	230	36	123	157	8	0	0	0	0	0	14
MOROCCO	0	0	0	1064	2030	631	0	16	391	0	0	0	507	716	402
MOZAMBIQUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW ZEALAND	6	44	0	2273	1145	671	313	175	553	+	10	0	406	318	75
NIGERIA	0	0	0	111	251	184	10	76	0	0	0	0	567	308	0
QATAR	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
SAUDI ARABIA	0	0	19	86	2113	1537	45	54	29	0	14	0	589	543	589
SOUTH AFRICA	190	72	1	415	1055	145	37	182	123	27	9	0	320	2918	1526
SUDAN	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
SYRIA	52	0	0	2170	3019	413	254	159	59	0	0	0	12	0	0
TANZANIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TUNISIA	0	0	0	0	404	137	231	1	2	0	0	0	0	0	40
UNITED ARAB EMIRATES	0	0	0	0	14	0	0	0	2	0	0	0	0	3	60
ZAMBIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZIMBABWE	0	0	0	9	0	0	0	0	0	0	0	0	341	0	0
OTHER	0	0	87	106	612	189	35	1	17	0	0	0	8	0	9
TOTAL M.E., A., & O.	**735**	**916**	**128**	**19333**	**28135**	**13833**	**10591**	**9426**	**12188**	**175**	**130**	**167**	**16094**	**15461**	**5345**
GRAND TOTAL	**6427**	**12657**	**1781**	**96898**	**141838**	**63275**	**134283**	**155240**	**112258**	**34502**	**24555**	**10635**	**365929**	**399100**	**171684**

SOURCE: U.S. Census Bureau Report EM546

\+ Less than 1 thousand pounds

For 1987 & 1988 the commodity numbers are:

A. 309.0110, 2210, 310.0006 & 0026

B. 310.0008, 0009, 0010, 0014, 0029, 0034, 0040 & 0044

C. 309.0120, 0140, 0170, 2220, 2270, 310.0027 & 0032

D. 309.4219 & 4222

E. 309.3220, 3240, 3250, 3255, 4240, 4242, 4245, 4246 & 4247

For 1989 the Harmonized Tariff Schedule numbers are:

A. 5403.10.00.00, 5403.10.30.20, 5403.10.30.40, 5403.10.60.00, 5403.20.00.00, 5403.20.30.00, 5403.20.60.00, 5403.31.10.00 - 5403.39.00.40, 5403.41.00.00 5403.49.00.00, 5405.00.30.00 & 5405.00.60.00

B. 5402.31.00.00, 5402.31.30.00, 5402.31.60.00, 5402.32.00.00, 5402.32.20.00, 5402.32.60.00, 5402.33.00.00, 5402.33.30.00, 5402.33.60.00, 5402.42.00.00, 5402.39.00.00, 5402.39.30.00, 5402.39.30.10, 5402.39.30.90, 5402.39.60.00, 5402.39.60.10 & 5402.39.60.90

C. 5402.10.00.00, 5402.10.30.20, 5402.10.30.40, 5402.10.60.00, 5402.41.00.20, 5402.41.00.30, 5402.41.00.40, 5402.41.00.60, 5402.51.00.00, 5402.61.00.00, 5404.10.20.20, 5402.20.00.00, 5402.20.30.20, 5402.20.30.40, 5402.20.60.00, 5402.43.00.20, 5402.43.00.30, 5402.43.00.40, 5402.43.00.60, 5402.52.00.00, 5402.62.00.00, 5404.10.20.40, 5402.49.00.10, 5402.49.00.30, 5402.49.00.60, 5402.49.00.80, 5402.49.40.00, 5402.59.00.00, 5402.69.00.00, 5404.10.10.00, 5404.10.20.90 & 5404.90.00.00

D. 5504.10.00.00, 5504.90.00.00 & 5507.00.00.00

E. 5503.10.00.00, 5503.20.00.00, 5503.30.00.00, 5503.40.00.00, 5503.90.00.00, 5501.10.00.00, 5501.20.00.00, 5501.30.00.00, 5501.90.00.00, 5506.10.00.00, 5506.20.00.00, 5506.30.00.00 & 5506.90.00.00

TABLE 16:
FILAMENT YARN DOMESTIC SHIPMENTS [a]

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1988				1989			
		1985	1986	1987	1988	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(C) CELLULOSIC YARN		*(N) NYLON*				*(P) POLYESTER*				*(O) OLEFIN*			
HOSIERY [b]	N	98.1	95.1	93.2	100.3	23.1	24.9	23.9	28.4	j	j		
OTHER CIRCULAR KNIT [c]	N	12.9	21.3	25.3	26.4	7.1	6.4	6.7	6.2	32.5	33.8		
	P	151.2	150.3	102.8	119.5	25.6	28.2	27.9	37.8	40.4	32.8		
	C	2.6	2.0	1.1	0.6	0.2	0.2	0.1	0.1	0.2	0.1		
FLAT KNIT	C	53.0	47.8	27.9	24.3	5.7	7.7	5.8	5.1	6.1	7.5		
	N	143.6	133.8	131.4	133.4	31.2	33.1	33.2	35.9	36.0	34.4		
	P	160.8	167.1	162.5	162.1	39.2	43.0	38.6	41.3	46.0	47.7		
CARPET FACE	N	815.4	881.4	916.0	938.3	228.2	233.8	241.2	235.1	225.1	233.9		
	O	202.1	215.7	244.5	266.6	65.1	67.9	67.2	66.4	69.0	63.3		
CARPET BACKING [d]	O	354.6	404.1	425.3	427.0	107.9	113.0	102.1	104.0	105.4	123.4		
OTHER BROAD WOVEN [e]	C	111.3	126.3	122.8	141.9	31.0	35.2	36.0	39.7	35.6	38.5		
	N	71.4	76.2	79.4	78.3	20.3	17.6	19.8	20.6	21.1	22.6		
	P	420.1	344.4	379.4	391.3	89.8	95.5	94.0	112.0	100.8	107.2		
	O	225.7	271.5	317.7	336.6	84.9	83.7	82.3	85.7	88.8	86.6		
NARROW WOVEN [f]	C	1.5	2.0	2.2	4.4	1.5	1.1	0.9	0.9	1.7	0.8		
	N	31.1	33.9	42.1	42.0	11.1	11.1	9.9	9.9	9.5	10.2		
	P	40.0	44.0	66.2	81.0	15.2	18.9	17.8	29.1	18.8	23.2		
	O	15.2	17.5	17.7	19.0	4.7	4.8	4.8	4.7	4.8	5.1		
TIRES, INCL. CHAFER [g]	N	146.0	134.2	143.0	132.2	34.5	33.1	31.2	33.4	34.3	33.6		
	P	155.5	159.3	162.8	171.8	41.3	44.2	43.4	42.9	41.7	43.6		
OTHER RUBBER INDUSTRY [c g]	N	15.3	15.2	16.4	20.4	5.5	4.7	4.9	5.3	4.5	4.4		
	P	31.2	27.2	34.5	25.2	6.7	6.2	6.2	6.1	6.3	8.2		
ROPE, CORDAGE & FISHLINE	N	35.3	36.4	37.9	36.4	9.7	9.7	8.2	8.8	8.8	9.2		
	P	13.8	13.0	13.4	12.5	3.7	3.1	2.4	3.3	3.2	3.8		
	O	108.2	106.3	106.7	105.0	27.9	25.5	23.6	28.0	33.5	30.4		
ALL OTHER [h]	C	18.7	14.0	12.8	11.4	3.0	3.1	3.0	2.3	2.4	3.3		
	N	48.3	52.1	69.6	64.7	17.1	21.0	12.1	14.5	16.0	18.0		
	P	231.7	187.1	191.8	194.0	45.2	52.8	47.9	48.1	35.0	37.2		
	O	31.8	34.1	23.6	29.9	7.8	7.6	7.7	6.8	7.0	7.1		
TOTAL ABOVE	**C**	**187.1**	**192.1**	**166.8**	**182.6**	**41.4**	**47.3**	**45.8**	**48.1**	**46.0**	**50.2**		
	N	**1417.4**	**1479.6**	**1554.3**	**1572.4**	**387.8**	**395.4**	**391.1**	**398.1**	**387.8**	**400.1**		
	P	**1204.3**	**1092.4**	**1113.4**	**1157.4**	**266.7**	**291.9**	**278.2**	**320.6**	**292.2**	**303.7**		
	O	**937.6**	**1049.2**	**1135.5**	**1184.1**	**298.3**	**302.5**	**287.7**	**295.6**	**308.5**	**315.9**		
TOTAL DOMESTIC		**3746.4**	**3813.3**	**3970.0**	**4096.5**	**994.2**	**1037.1**	**1002.8**	**1062.4**	**1034.5**	**1069.9**		
ALSO DIVIDED AS													
APPAREL		*1064.8*	*962.4*	*930.2*	*941.2*	*223.0*	*237.0*	*226.0*	*255.2*	*253.4*	*253.7*		
HOME FURNISHINGS		*1624.9*	*1738.0*	*1838.4*	*1902.6*	*463.0*	*485.0*	*475.1*	*479.5*	*468.8*	*498.2*		
INDUSTRIAL		*1056.7*	*1112.9*	*1201.4*	*1252.7*	*308.2*	*315.1*	*301.7*	*327.7*	*312.3*	*318.0*		
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET) [i]													
NYLON		114.9	115.8	NA	NA	NA	NA	NA	NA	NA	NA		
POLYESTER		776.3	634.6	626.3	649.9	146.7	159.2	153.8	190.2	164.5	163.2		
OLEFIN		22.3	22.9	26.6	24.4	6.4	6.4	5.5	6.1	6.9	4.4		

NA No longer available.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene

b. Small quantities of polyester and cellulosic yarn are included in All Other

c. Small quantities of olefin are included in All Other

d. Small quantities of nylon and polyester are included in All Other

e. Other Broad Woven except carpets, tire fabric, flat belting, etc

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing

g. Cellulosic yarn quantities included in All Other

h. All Other includes sewing thread and other industrial applications. The olefin quantities include sliver knit backing. Also includes indirect exports

i. These quantities are included in the Total Domestic area above

j. Nylon quantities are included in Other Circular Knit

TABLE 17:
STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1988				1989			
		1985	1986	1987	1988	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(R) RAYON	*(N) NYLON*	*(A) ACRYLIC+MODACRYLIC*				*(P) POLYESTER*				*(O) OLEFIN*			
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	197.2	228.8	192.4	183.2	47.5	46.7	46.4	42.6	48.4	47.3		
	NPR	5.5	5.1	3.5	2.7	0.8	0.7	0.6	0.6	0.9	0.4		
PILE FABRICS[b]	A	24.5	23.2	20.8	21.3	5.0	5.7	5.6	5.0	5.1	6.0		
	P	14.9	15.0	19.7	14.7	3.9	3.6	3.3	3.9	3.7	0.9		
OTHER CIRCULAR KNIT + FLAT KNIT[c]	R	5.5	4.7	3.7	2.5	0.5	0.3	0.8	0.9	0.8	1.0		
	A	139.1	196.3	185.1	139.0	37.8	39.6	34.2	27.4	35.7	34.9		
	P	295.5	367.8	453.3	470.0	108.4	112.6	108.5	140.5	127.8	120.5		
BLANKETS[b]	A	30.2	26.7	25.7	25.1	6.4	5.6	7.9	5.2	7.4	9.3		
	P	6.2	3.7	9.2	6.9	1.8	1.4	1.6	2.1	2.3	2.9		
OTHER BROAD WOVEN	R	174.9	218.0	230.7	243.0	58.7	60.5	63.5	60.3	69.1	59.7		
	N	37.4	37.0	38.7	35.2	8.7	8.0	8.4	10.1	8.1	7.8		
	A	38.2	35.3	41.7	39.3	10.4	9.6	8.9	10.4	12.6	11.5		
	P	864.9	885.6	839.2	863.5	210.7	212.9	205.7	234.2	200.8	240.3		
	O	26.9	18.0	20.2	17.1	4.6	3.8	3.4	5.3	5.2	9.0		
CARPET FACE YARNS[f]	R	0.5	0.4	+	0.4	0.2	0.1	0	0.1	0.1	0.2		
	N	773.9	837.8	905.1	f	f	f	f	f	f	f		
	P	126.8	145.0	209.0	261.2	66.1	69.0	62.3	63.8	60.2	51.2		
	O	107.4	117.2	116.2	138.2	30.3	35.4	34.2	38.3	38.5	35.1		
FIBERFILL[d]	P	281.1	294.9	348.6	357.2	85.3	84.9	92.9	94.1	90.3	93.5		
FLOCK	NP	5.3	5.9	5.5	6.9	1.6	1.6	1.6	2.1	1.8	1.7		
	R	1.8	1.8	0.9	0.1	+	+	+	0.1	0	0		
NONWOVENS[e]	R	113.5	125.4	124.4	122.3	35.4	36.0	26.7	24.2	27.0	28.5		
	N	2.5	2.1	1.9	2.1	0.4	0.5	0.6	0.6	0.7	0.6		
	P	162.5	175.4	204.2	244.1	59.7	55.9	59.0	69.5	68.0	71.7		
	[g] VINYON+O	135.8	166.2	198.0	180.9	46.0	46.9	45.4	42.6	46.1	46.7		
ALL OTHER	R	25.9	20.8	22.7	17.2	6.9	5.0	2.9	2.4	2.7	2.2		
	N	11.2	11.9	14.8	901.4	229.0	214.0	231.1	227.3	231.4	221.4		
	A	29.5	20.9	13.6	13.2	1.9	2.1	4.3	4.9	3.7	3.7		
	P	116.9	108.3	115.0	91.3	21.5	31.4	17.3	21.1	21.2	13.0		
	[g] VINYON+O	9.6	11.3	6.7	8.0	2.9	1.5	1.8	1.8	1.9	2.7		
TOTAL ABOVE	**R**	**323.7**	**373.0**	**383.1**	**386.0**	**101.9**	**102.0**	**94.0**	**88.1**	**99.8**	**91.6**		
	N	**830.3**	**894.9**	**966.0**	**944.9**	**239.4**	**223.9**	**241.6**	**240.0**	**241.9**	**231.5**		
	A	**458.7**	**531.2**	**479.3**	**421.1**	**109.0**	**109.3**	**107.3**	**95.5**	**112.9**	**112.7**		
	P	**1872.7**	**1998.6**	**2201.0**	**2311.8**	**558.3**	**572.5**	**551.2**	**629.8**	**575.2**	**594.4**		
	[g] VINYON+O	**279.7**	**312.7**	**341.1**	**344.2**	**83.8**	**87.6**	**84.8**	**88.0**	**91.7**	**93.5**		
TOTAL DOMESTIC		**3765.1**	**4110.4**	**4370.5**	**4408.0**	**1092.4**	**1095.3**	**1078.9**	**1141.4**	**1121.5**	**1123.7**		
ALSO DIVIDED AS													
APPAREL		*1255.0*	*1489.3*	*1479.9*	*1421.6*	*352.6*	*356.4*	*340.5*	*372.1*	*361.6*	*381.7*		
HOME FURNISHINGS		*1536.9*	*1625.8*	*1755.8*	*1827.5*	*451.5*	*445.9*	*455.5*	*474.6*	*467.3*	*441.1*		
INDUSTRIAL		*973.2*	*995.3*	*1134.8*	*1158.9*	*288.3*	*293.0*	*282.9*	*294.7*	*292.6*	*300.9*		

a. Olefin quantities are included in All Other.
b. Rayon and nylon quantities are included in All Other.
c. Nylon quantities are included in All Other.
d. Rayon, acrylic and nylon quantities are included in All Other.
e. Wet & dry laid and needled batts only.
f. Acrylic and nylon quantities are included in All Other.
g. 1987-1989 data exclude Vinyon.

TABLE 18:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1989	1988
MANUFACTURED FIBER TOTAL SHIPMENTS[b,c]														
ARTIFICIAL (CELLULOSIC)														
YARN	17.3	17.1	18.4	21.5	18.3	18.4	18.9	17.8	17.3				165.0	161.1
RAYON STAPLE	34.5	32.1	36.5	31.4	34.8	30.9	24.8	29.4	26.7				281.1	314.6
TOTAL ARTIFICIAL (CELLULOSIC)	**51.8**	**49.2**	**54.9**	**52.9**	**53.1**	**49.3**	**43.7**	**47.2**	**44.0**				**446.1**	**475.7**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	31.3	30.5	32.6	32.3	28.9	32.7	29.1	29.2	28.6				275.2	280.2
- CARPET	74.9	77.2	82.0	77.5	86.1	78.5	73.4	89.9	88.7				728.2	730.2
- TEXTILE [f]	33.9	33.2	35.0	34.6	33.8	34.2	31.8	32.3	32.6				301.4	283.1
POLYESTER - INDUSTRIAL[d]	28.6	29.7	30.9	32.2	30.4	32.8	30.7	31.9	28.6				275.8	268.4
- TEXTILE[f]	73.2	71.2	74.4	78.2	77.0	66.1	73.5	54.9	58.6				627.1	620.3
OLEFIN[e]	105.3	104.3	103.6	104.1	112.3	105.5	97.6	109.9	109.4				952.0	903.1
TOTAL YARN	**347.2**	**346.1**	**358.5**	**358.9**	**368.5**	**349.8**	**336.1**	**348.1**	**346.5**				**3159.7**	**3085.3**
STAPLE+TOW+FIBERFILL														
NYLON	82.3	78.4	88.8	76.4	81.3	78.3	74.9	90.8	85.5				736.7	718.4
ACRYLIC+MODACRYLIC	41.7	46.2	48.6	49.2	51.7	44.0	41.1	47.6	44.1				414.2	442.2
POLYESTER	205.8	192.1	212.4	214.3	208.1	193.9	182.0	198.3	182.0				1788.9	1778.5
OLEFIN	31.1	31.6	32.0	31.4	32.3	33.5	27.8	33.9	33.1				286.7	272.0
TOTAL STAPLE	**360.9**	**348.3**	**381.8**	**371.3**	**373.4**	**349.7**	**325.8**	**370.6**	**344.7**				**3226.5**	**3211.1**
TOTAL SYNTHETIC (NONCELLULOSIC)	**708.1**	**694.4**	**740.3**	**730.2**	**741.9**	**699.5**	**661.9**	**718.7**	**691.2**				**6386.2**	**6296.4**
TOTAL MANUFACTURED FIBER	**759.9**	**743.6**	**795.2**	**783.1**	**795.0**	**748.8**	**705.6**	**765.9**	**735.2**				**6832.3**	**6772.1**
MANUFACTURED FIBER END-OF-MONTH STOCK														
ARTIFICIAL (CELLULOSIC)														
YARN	11.7	10.9	11.3	10.4	9.7	8.9	11.0	10.7	11.6				11.6	11.5
RAYON STAPLE	13.0	13.2	11.7	12.5	13.4	15.8	16.8	16.3	18.1				18.1	13.3
TOTAL ARTIFICIAL (CELLULOSIC)	**24.7**	**24.1**	**23.0**	**22.9**	**23.1**	**24.7**	**27.8**	**27.0**	**29.7**				**29.7**	**24.8**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	24.4	24.8	22.4	22.9	24.2	24.5	26.7	27.3	28.7				28.7	30.5
- CARPET	63.5	63.2	62.8	68.7	64.0	66.8	73.6	59.3	54.6				54.6	58.1
- TEXTILE[f]	47.1	48.3	46.4	47.0	47.4	49.2	52.7	54.1	55.6				55.6	54.6
POLYESTER - INDUSTRIAL[d]	35.0	31.4	30.6	31.6	30.9	31.9	33.9	32.3	33.2				33.2	31.4
- TEXTILE[f]	73.5	76.9	81.8	85.1	85.0	89.1	99.7	115.7	116.8				116.8	90.4
OLEFIN[e]	53.1	53.8	58.0	57.8	58.5	60.7	61.1	60.6	61.0				61.0	52.0
TOTAL YARN	**296.6**	**298.4**	**302.0**	**313.1**	**310.0**	**322.2**	**347.7**	**349.3**	**349.9**				**349.9**	**317.0**
STAPLE+TOW+FIBERFILL														
NYLON	51.8	52.9	51.0	57.5	57.5	57.0	59.1	46.9	46.8				46.8	45.3
ACRYLIC+MODACRYLIC	70.5	68.3	69.0	67.3	65.2	69.7	71.7	69.3	66.3				66.3	62.3
POLYESTER	163.5	163.8	158.5	164.4	176.2	191.0	226.5	233.6	218.9				218.9	188.6
OLEFIN	31.0	31.3	32.8	34.3	35.2	33.3	34.2	34.1	30.5				30.5	32.8
TOTAL STAPLE	**316.8**	**316.3**	**311.3**	**323.5**	**334.1**	**351.0**	**391.5**	**383.9**	**362.5**				**362.5**	**329.0**
TOTAL SYNTHETIC (NONCELLULOSIC)	**613.4**	**614.7**	**613.3**	**636.6**	**644.1**	**673.2**	**739.2**	**733.2**	**712.4**				**712.4**	**646.0**
TOTAL MANUFACTURED FIBER	**638.1**	**638.8**	**636.3**	**659.5**	**667.2**	**697.9**	**767.0**	**760.2**	**742.1**				**742.1**	**670.8**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.1	12.8	14.1	11.5	11.5	11.3	9.3						82.6	86.6
CARPET CLASS WOOL	0.8	1.4	1.5	1.6	1.6	1.3	1.2						9.4	9.5
TOTAL RAW WOOL	**12.9**	**14.2**	**15.6**	**13.1**	**13.1**	**12.6**	**10.5**						**92.0**	**96.1**
RAW COTTON	289.5	301.0	339.2	305.7	362.3	343.5	283.5						2224.7	2055.1

a. "Year to date" totals for stock, are the latest month's figures.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic shipments plus export shipments.
d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
f. Includes low denier industrial yarn.